

Miniature Microphones



DPA
MICROPHONES

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LARGE DIAPHRAGM



STANDARD



COMPACT



MINIATURE



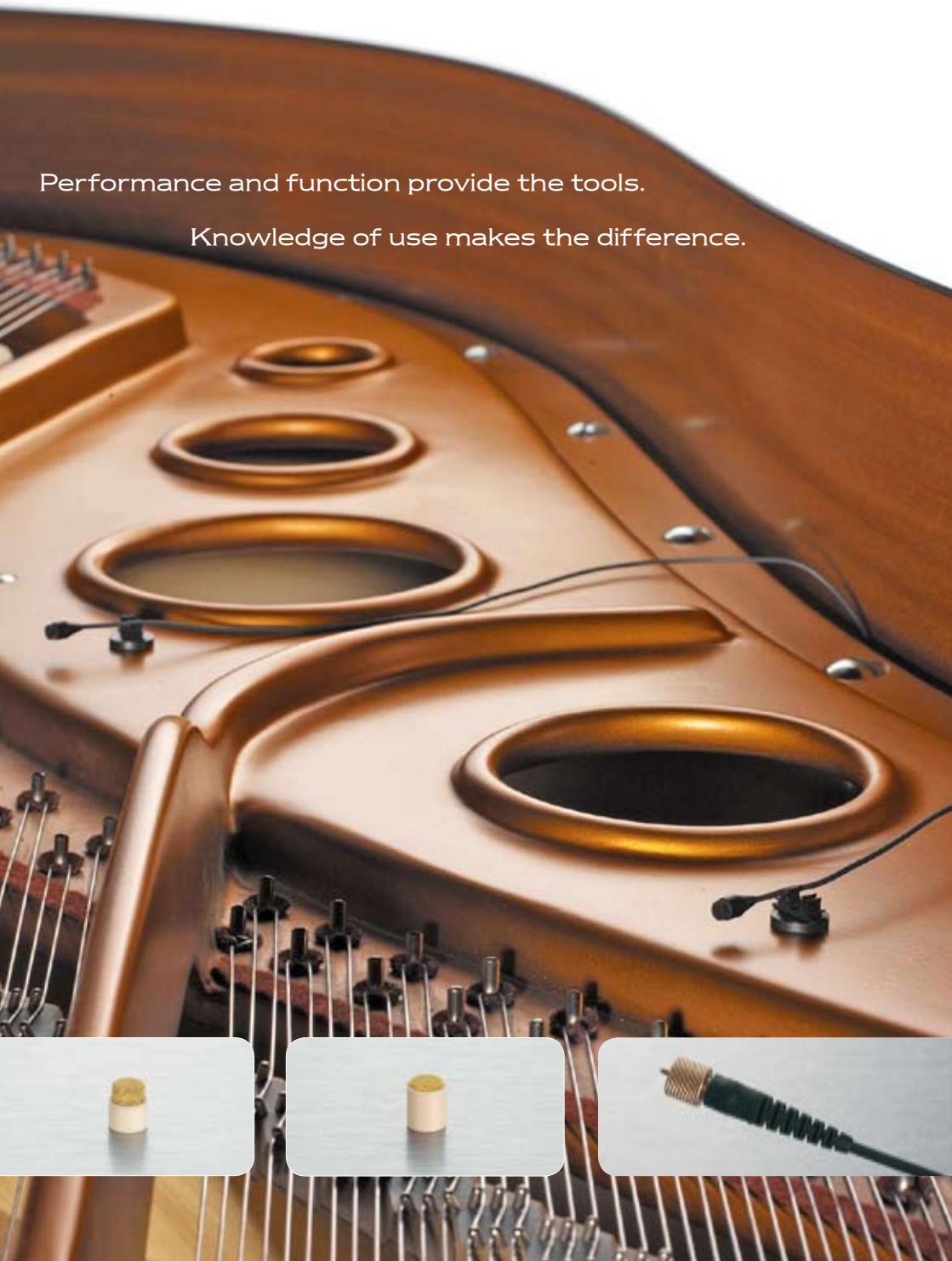
Intro

DPA Microphones are firmly rooted in the tradition of skilful design and manufacture of studio recording microphones. The microphones are characterized by a reputation for a uniquely natural and open sound, and are especially suited for recording vocals and traditional acoustic instruments.

Since the mid-nineties, DPA has applied the same qualities and skills to the production of miniature condenser microphones, ingenious accessories and tailor-made solutions for a wide variety of demanding applications. Form and function are key aspects of the company's design philosophy and contribute significantly to the continued success of its products.

DPA's head-worn miniature microphones play a dominant role in live theatre and musical productions, as well as for houses of worship and corporate events. For serious recording and sound reinforcement, DPA meets the challenge with exceptional technical specifications and creative mounting accessories for any musical instrument, while the miniature lavalier microphones designed for discrete use in broadcast and film production demonstrate a previously unheard clarity and speech intelligibility.

To find out more about DPA miniature microphones and to help find the model that best meets your requirements, please visit the website at www.dpamicrophones.com



Performance and function provide the tools.

Knowledge of use makes the difference.

MicroDot connector system

DPA miniature microphone cables are terminated with a high quality miniature MicroDot connector, providing a flexible, cost effective microphone solution. The feature effectively multiplies your microphone inventory, since you can use the same miniature microphone on nearly any professional wireless system available plus 48 V Phantom using a DPA adapter.

Moisture protection

The vertically mounted diaphragm, a double vent protection system, and the use of water resistant materials throughout the construction provide exceptional immunity to aggressive fluids, such as human sweat, on the microphone capsule, headband and cable.

Strong and pliable cable

Our Kevlar®-reinforced cable is one of the strongest on the pro audio market, designed to withstand extreme use. At the same time, it is soft and pliable for easy handling and a comfortable fit.

Handling high sound pressure

The various DPA miniatures can handle high sound pressure levels (SPL) ranging from 134 dB to 154 dB peak before clipping, which enables an array of high sound level applications and close-miking solutions.

Low noise

With equivalent noise levels down to 23 dB(A), the miniatures exhibit a low noise level, so the sound source will not "drown" in the noise from the microphone itself. The distinguishing combination of low noise and high SPL attributes, provide the widest dynamic range.

High sensitivity

DPA miniatures are designed to deliver high output, so the need for amplification (gain) is kept at a minimum. With the high output level and low impedance of the miniatures, the cable can be run up to 300 meters (984 feet).

Acoustic modification

Positioning a lavalier microphone on the chest, for typical speech applications, creates an unfortunate frequency response, with an acoustic lower midrange boost and presence loss, thus dramatically deteriorating speech intelligibility, clarity and definition. Using the pre-equalized 4071 microphone creates an acoustic modification, eliminating these problems and compensating the need for equalization and additional editing.

Microphone University

Enhance your knowledge of microphone technology and miking techniques by visiting the insightful and instructive DPA Microphone University at www.dpamicrophones.com - a valuable resource for the pro audio community, musicians, educators and audio aficionados.



Miniature Microphones

**4060 4062
4061 4063**

Small footprint, big sound

DPA has no equal when it comes to the 4060, 4061, 4062 and 4063 professional series of omnidirectional miniature condenser microphones. Originally designed for use with wireless systems in theatre, television and close-miking instrument applications the capsule is smaller than a pencil eraser.

The three different microphone types are acoustically identical, but differ in their sensitivity and self-noise to best suit the application. Three sensitivity levels are available: The 4060 (20 mV/Pa); 4061 (6 mV/Pa); and 4062 (1 mV/Pa).

Two different protection grids are supplied and by changing these grids you can acoustically modify the microphones according to their placement on the body. One gives you a 3 dB boost in the 8-20 kHz range, while the other gives you a 10 dB boost at 12 kHz.

The miniatures also have another interesting design feature: The MicroDot connector system. A tiny but rugged thread-on plug allows you to securely attach a wide variety of adapters. This useful feature effectively multiplies your mic inventory since you can use the same microphone element on a variety of RF body packs and even with XLR inputs. Because of their small size, these miniature mics show exceedingly true omnidirectionality and therefore, do not need to be aimed directly at the sound source to achieve quality sound. They have a neutral character with great detail

and resolution and are very natural in their sonic signature. On stage, the miniature mics are completely undetectable, extremely rugged and reliable.

They are easy to put on and with the choice of beige, brown, black or white cable you can always hide them. Manufactured to exacting standards the miniature mics are tailored to handle heat, humidity and sweat as well as wind and popping.

4063 Low Sensitivity & DC

The 4063 is acoustically identical with the 4060, but the sensitivity is adjusted to 6 mV/Pa and the maximum DC output level is lowered. Also, the built-in FET preamp is designed for working with systems delivering down to 3 V power supply.

Order numbers:

4060-BM Hi-Sens, Black
4060-FM Hi-Sens, Beige
4060-WM Hi-Sens, White
4061-BM Lo-Sens, Black
4061-CM Lo-Sens, Brown
4061-FM Lo-Sens, Beige
4061-WM Lo-Sens, White
4062-BM XLo-Sens, Black
4062-FM XLo-Sens, Beige
4063-BM Lo-Sens & Lo-DC, Black
4063-FM Lo-Sens & Lo-DC, Beige
4063-WM Lo-Sens & Lo-DC, White

Kits for Miniature Microphones

IMK4061 Instrument Microphone Kit



The 4061 microphone at the heart of the IMK4061 kit, combines sound quality with versatility. Its tiny size and light weight mean a performance is not compromised by the recording equipment. The IMK4061 is comprised of the tiny 4061 omnidirectional microphone, a phantom/XLR adapter and a variety of accessories designed to aid mounting the microphone on, and perhaps even in, a range of instruments.

The 4061 microphone offers a very clean, detailed and natural sound-quality, leaving placement up to the user, in order to receive the desired timbre for studio use or amplification for live use. It can handle a robust 144 dB peak before clipping, allowing the microphone to be used even for snare drums, trumpets, guitar/bass speaker cabinets or other high SPL sources. For maximum versatility, the DPA adapter system makes it possible to use the 4061 with most professional wireless systems available.

The IMK4061 is truly a product that can easily extend your ability effectively to record instruments and vocalists – especially in less-than-ideal circumstances.

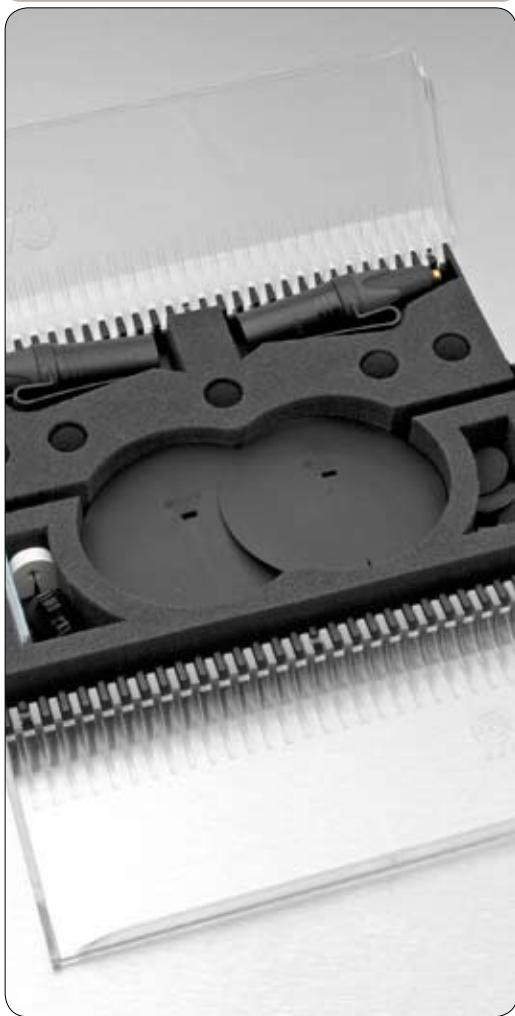
IMK4061 includes:

4061-BM	Lo-Sens, Black
DAD6001	MicroDot to 3-pin XLR (P48)
DMM0007	Universal Surface Mounts, 5 pcs.
DMM0011-B	Magnet Mount, Black
DUA0560	Windscreens, Black, 5 pcs.
MHS6001	Holder for Strings, 1 pcs.
DMM0002-B	Double Pin, Black

IMK4061 Instrument Microphone Kit



SMK4061 Stereo Microphone Kit



The SMK4061 Stereo Microphone Kit is an excellent solution for stereo recording applications with a matched pair of DPA 4061 miniature microphones.

The SMK4061 comprises two 4061 omnidirectional microphones, two phantom/XLR adapters and distinctive accessories for mounting the microphones wherever desired on a wide variety of surfaces including music stands, instruments, concert walls, stage floors and piano lids.

The 4061 microphone offers a clean and transparent sound quality with lots of headroom. It has an outstandingly low noise floor of 26 dB(A) re. 20 µPa and an impressive sensitivity of 6 mV/Pa. When powered correctly, the microphone can handle sound pressure levels up to 144 dB SPL before clipping occurs.

For maximum versatility, the DPA adapter system allows the use of the 4061 with most professional wireless systems. The two-channel MMA6000 Miniature Microphone Amplifier can be used directly via the standard fitted MicroDot connector, providing a dedicated high quality audio chain for portable recording.

SMK4061 includes:

2 x 4061-BM	Lo-Sens, Black
2 x DAD6001-BC	MicroDot to 3-pin XLR (P48)
2 x BLM6000-B	Boundary Layer Mount, Black
2 x DMM0011-B	Magnet Mount, Black
DMM0007	Universal Surface Mounts, 5 pcs.
DUA0560	Windscreens, Black, 5 pcs.

Boundary Layer Microphones

BLM4060 Boundary Layer Microphone

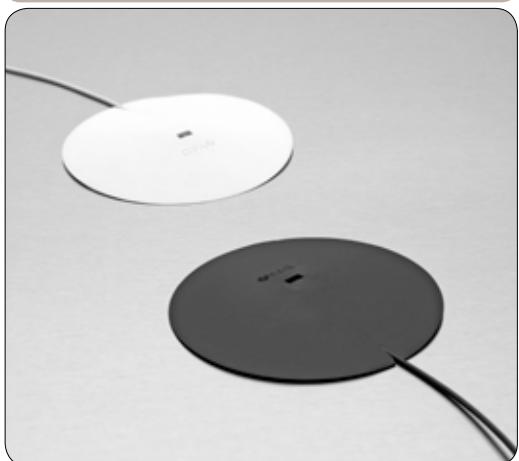


With its elegant design and excellent performance, the BLM4060 Boundary Layer Microphone is the perfect microphone for speech and vocal sound reinforcement in boardrooms, courtrooms, classrooms and conference facilities.

Featuring a built-in DPA 4060 miniature microphone with omnidirectional polar pattern, it picks up and reproduces clear, natural speech. The stainless steel disc is 100 mm (4 in) in diameter and is supplied with a detachable 3 meter (10 ft) cable and XLR adapter for phantom powering.

A wide range of connection adapters and power supplies makes it possible to use the BLM4060 with essentially any microphone input.

The BLM6000 is a unique tool that enhances the versatility of DPA miniature microphones. A soft piece of durable rubber with a diameter of 75 mm, it features an underside cavity for mounting a DPA 4060, 4061, 4062 or 4063 microphone.



The BLM6000 can be mounted on all sound-reflective surfaces such as floors, walls or ceilings. Placing a DPA miniature microphone in this little device inside an open grand piano lid also provides a very distinct and articulate sound.

Order numbers:

BLM6000-B Boundary Layer Mount, Black

BLM6000-W Boundary Layer Mount, White

BLM4060 Boundary Layer Microphone

BLM4060 includes:

BLM4060 Boundary Layer Microphone

DAO6015 Extension Cable, 3 m (10 ft)

DAD6001 Adapter: MicroDot to 3-pin XLR
(P48)



Miniature Microphone with Presence Boost

4071

Optimal speech intelligibility

The 4071 is an omnidirectional miniature condenser microphone designed for television broadcast and film applications. Its frequency response is customized for clarity of voice in body-worn and hidden applications, with low-end roll off and presence boost, making this a better sounding microphone to use in the field and on the set.

Placing a microphone on a performer's chest will cause the sound to lose clarity. To achieve optimal intelligibility in speech applications, this inconspicuous mic features a customized frequency response with a permanent 5 dB soft boost at 4-6 kHz. This so-called "presence area" is the range where the human ear is most sensitive and is also the range of speech intelligibility, clarity and definition. The low cut feature allows for greater headroom in the total signal path, because the cut is done acoustically at the capsule before pre-amp and wireless transmitter.

Order numbers:

4071-BM Black

4071-FM Beige

4071-WM White

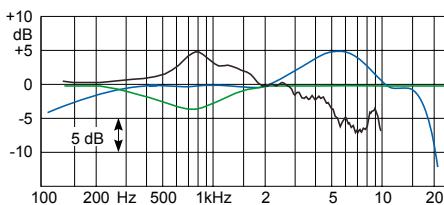
DAD6024 Adapter

DAD6024 provides a 3 dB attenuation around 800 Hz. This will make the voice become appreciably clearer.

Solution

A combination of DAD6024 and the 4071 Miniature Microphone makes your recording capable of going directly to track or on air without editing.

DAD6024 Adapter is available individually or as part of the EMK4071 Microphone Kit for ENG/EFP. The 4071 Miniature Microphone is available individually or included in the EMK4071 Microphone Kit for ENG/EFP and FMK4071 Microphone Kit for Film.



Black line: Difference in frequency response of a reference microphone, between free frontal placement (30 cm, 11.8 in) and chest placement.

Blue line: Frequency response of DPA 4071, showing the 5 dB presence boost.

Green line: Frequency response of DAD6024, showing the lower midrange attenuation.

Kits for Miniature Microphones with Presence Boost

EMK4071: ENG/EFP Microphone Kit



This ENG/EFP microphone kit is made for applications where the microphone is allowed to be visible. The kit contains a 4071 miniature microphone (pre-equalized for speech clarity) and various accessories for the microphone. Included is also a XLR adapter with midrange attenuation (DAD6024), which is the final tonal adjustment needed for going directly on air or to track without editing. A combination of 4071 and DAD6024 makes voices more distinguishable and improves speech intelligibility and definition.

The kit is delivered in a sturdy, hard case with a transparent lid.

EMK4071 includes:

4071-BM	Black Microphone
DAD6024	XLR Adapter with Mid Range Attenuation
DMM0002-B	Double Pin, Black
DMM0005	Holder, Single Pin
DMM0008	Clip, Double Lock, Black
DUA0570	Windscreens, Colour Mix, 8 pcs.
DUA0571	Windjammer, Grey Fur
DUA0572	Mesh

This kit is also available without microphone and adapter as DAK4071-E.

FMK4071: Film Microphone Kit



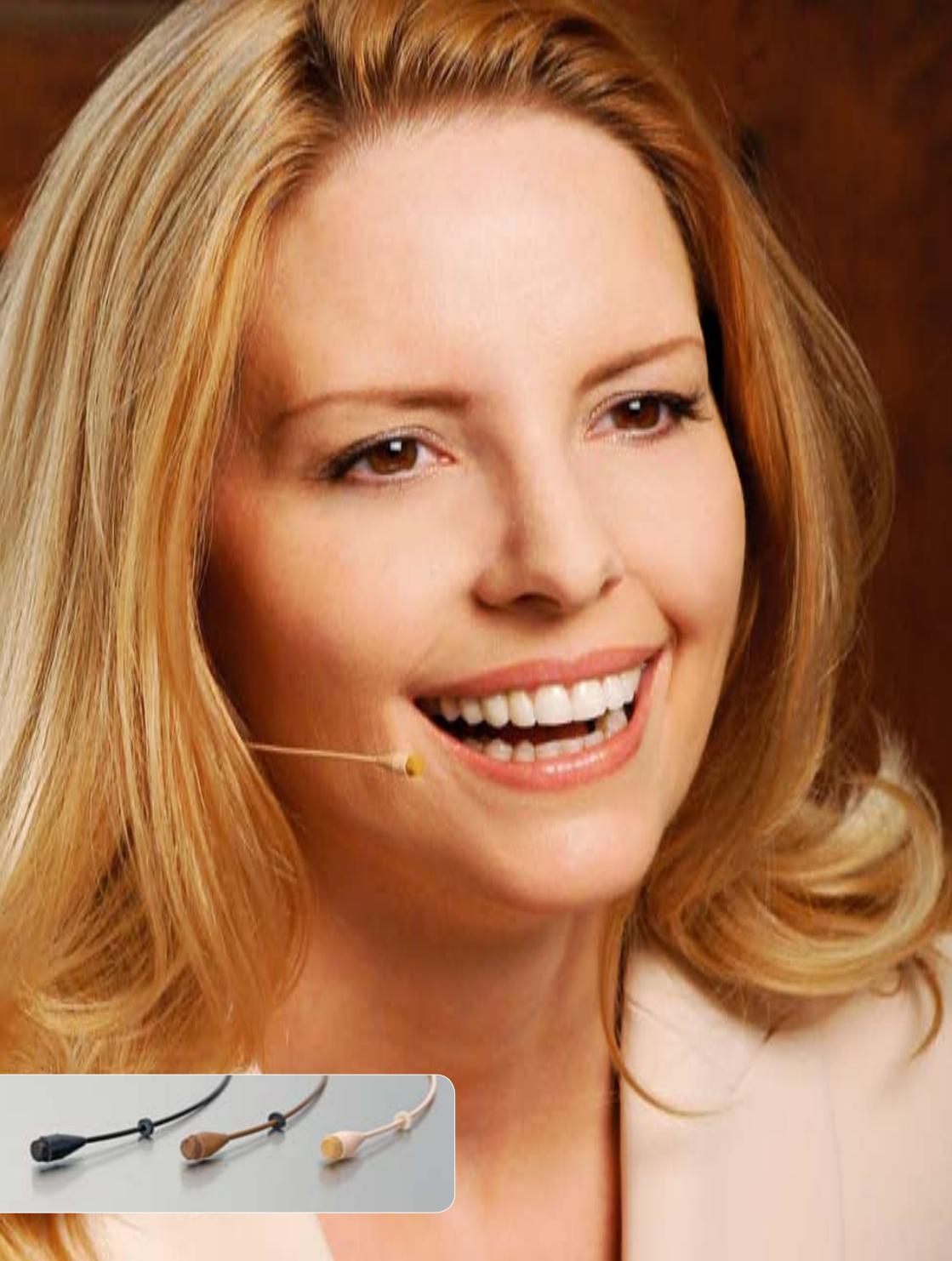
This microphone kit is made for film or TV production when the microphone needs to be invisible. The kit contains a 4071 miniature microphone (pre-equalized for speech clarity) and various microphone concealment accessories, specially designed to hide the mic while eliminating clothing noise.

The kit is delivered in a sturdy, hard case with a transparent lid leaving room for one or more of DPA's connection adapters.

FMK4071 includes:

- 4071-BM Black Microphone
- DMM0009 Concealer
- ADH0002 Double-sided tape for Conc., 10 pcs.
- DMM0010 Tie Pod, 3 pcs.
- ADH0001 Double-sided tape for Tie Pod, 25 pcs.
- ADH0003 Mic Tape, 25 pcs.
- ADH0004 Double-sided Mic Tape, 10 pcs.
- DUA0571 Windjammer, Grey Fur
- DUA0572 Mesh

This kit is also available without microphone as DAK4071-F.



Miniature Microphone Headbands

4065 4066 4067

The 4065 and 4066 use the same tiny microphone element and are acoustically and electrically identical to the 4061 Miniature Microphone.

4065 Headband

The 4065 headband offers maximum performance for stage, broadcast and home studio applications. It is designed for everyday use on the same performer. The headband is exceptionally lightweight and easily formed to the individual shape of each performer's head, providing a firm yet comfortable fit.



4066 Adjustable Headband

The 4066 is a flexible miniature microphone solution, primarily made for head mounting on actors, public speakers, broadcast hosts, musicians and singers. The system is quickly and simply adjusted - and extremely versatile. It is particularly suitable in environments, where there is a different user every day. The headband features an outstandingly robust construction and provides a choice between left or right mounting.

4067 Low Voltage Headband

The 4067 is a low DC and extra low sensitivity version of the 4066, which it is acoustically identical with. Also, the built-in FET preamp is designed for working with systems delivering down to 3 V power supply. The 4067 furthermore features an acoustical 6 dB/octave low cut (-3 dB at 40 Hz).

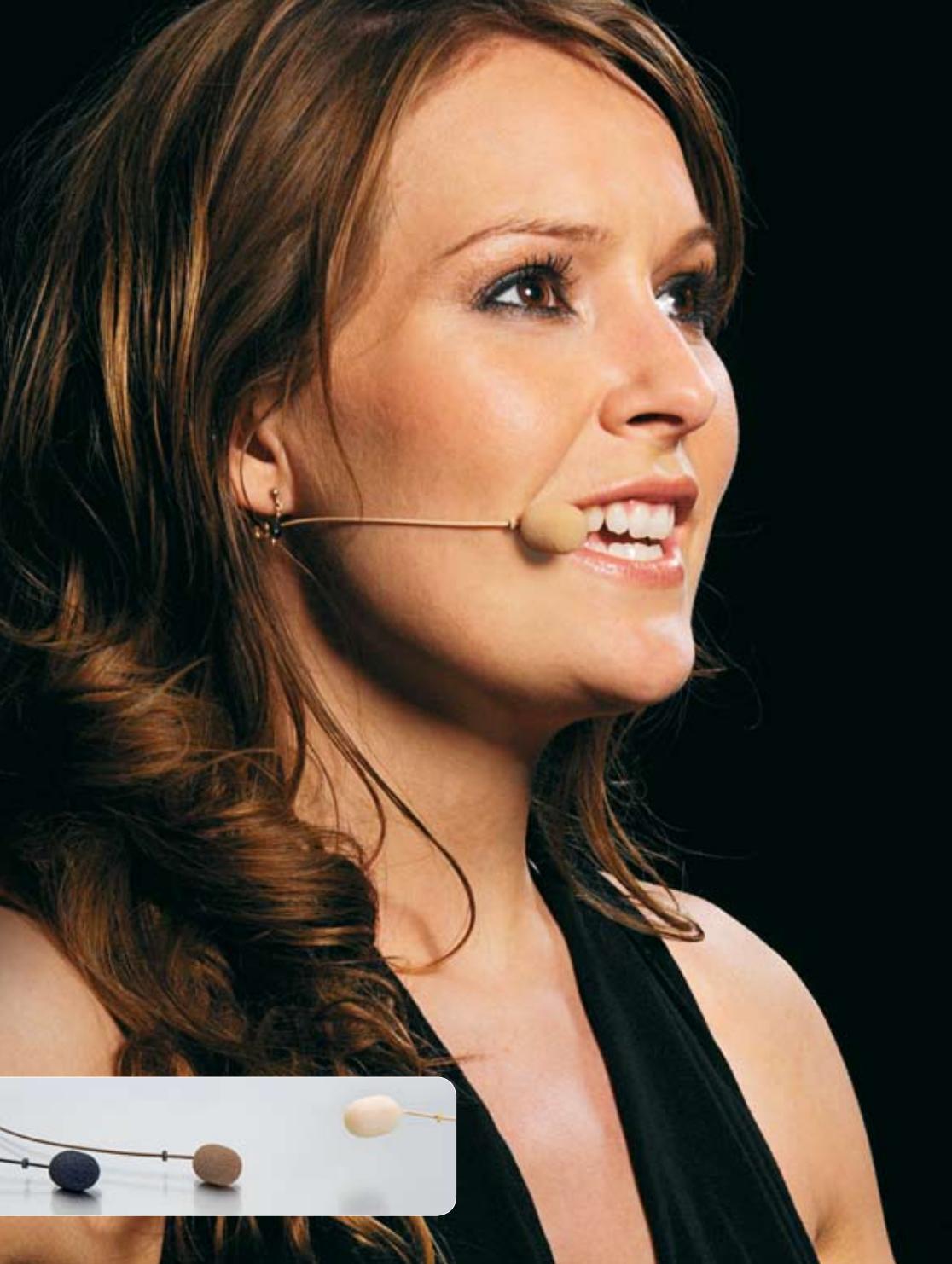
DPA miniature mic cables are terminated with Microdot connector, which allows the required DPA adapter to be attached. A range of adapters are available for most professional wireless systems.



Special adapters have been developed for compatibility with low voltage systems (below 5 V).

Order numbers:

- 4065-BL Headband, Black, Left
- 4065-BR Headband, Black, Right
- 4065-FL Headband, Beige, Left
- 4065-FR Headband, Beige, Right
- 4066-B Adjustable Headband, Black
- 4066-F Adjustable Headband, Beige
- 4066-C Adjustable Headband, Brown
- 4067-B Adjustable Headband, lo sens & DC, Black
- 4067-F Adjustable Headband, lo sens & DC, Beige



Cardioid Headband

4088

The 4088 is a miniature cardioid headband designed for acoustically demanding live performance environments. In high SPL events and when feedback is a concern, the 4088 will tackle these challenges with ease.

The sound is open, clear and natural and usually does not need equalization as you will hear the sound of the voice right away - not the microphone.

The capsule is hidden in a small and ultra-lightweight housing. The bass response is designed for optimal linearity at 2-3 centimetres (about 1 inch) from the sound source. This means that the bass roll-off will be relatively prominent at a greater distance - a paramount factor when it comes to rejection of background noise and in the fight to avoid feedback.

The mechanical design is based on the proven construction quality of the 4066 headband microphone. The headband mount is exactly the same, however the boom is 3 centimetres longer, to match the need for placement at the corner of the mouth.

To avoid "popping", the element should not be put directly in front of the mouth. The sound timbre and sound pressure level is as good at the side of the mouth as it is in the front.

Sound quality, visual elegance and versatility go hand in hand to transform every show into the performance of a lifetime.

The 4088 is among the world's smallest and lightest, 14 gr. (1/2 oz.), cardioid headbands on the market today.

DPA miniature mic cables are terminated with Microdot connector, which allows the required DPA adapter to be attached. A range of adapters are available for most professional wireless systems.

Order numbers:

4088-B Cardioid Headband, Black

4088-F Cardioid Headband, Beige

4088-C Cardioid Headband, Brown



4088

Miniature Microphone Amplifier

MMA6000



For portable stereo recording, the MMA6000 is a high quality miniature microphone amplifier and power supply designed for use with all DPA miniature microphones. It offers a higher sound quality than the microphone input on most portable devices, providing the assurance that the best possible signal path is being used in any remote situation.

For professional and hobby recording applications in the field, on stage or at home the MMA6000 is an indispensable tool. With the supplied removable clip, it is easy to mount on a belt, pocket or strap. A common low cut switch-in filter for both channels, provides a 12 dB/octave, 100 Hz low cut. This unit is a front-end device that provides two independent identical channels in one rugged box. The gain settings are individual for each channel and the amplifier can be operated by either an internal 9 V battery or optionally an external 12 to 30 V DC power supply. (Battery and power supply unit not included).



Special cables are available for connection to recording medias such as MiniDisc, DAT, PC, DV Camera or similar.

Order numbers:

- MMA6000 Miniature Microphone Amplifier
- DAO0135 Stereo Mini-Jack, plug, 1 m (39 in)
- DAO0136 Stereo Mini-Jack - 2 x 1/4 in Jack, plug, 5 m (16.4 ft)
- DAO0137 Stereo Mini-Jack - 1/4 in Jack, plug, 5 m (16.4 ft)
- DAO0138 Stereo Mini-Jack - 2 x male XLRs, plugs, 5 m (16.4 ft)
- DAO0139 Stereo Mini-Jack - Phono L+R, plugs, 1 m (39 in)

Miniature Power Supplies

MPS



MPS6001

The MPS6001 is a 1-channel power supply for all DPA miniature microphones. The device uses one standard 1.5 V AAA battery and can also function as a 48 V Phantom Power adapter. When supplying Phantom Power, the battery will be bypassed. The housing is an extremely stable and durable aluminum tube, designed for heavy-duty with professional broadcasters and other users demanding stability and exclusive finish.

The MPS6010, MPS6020, MPS6030 and MPS6040 are compact and portable, two-channel power supply boxes for use with all DPA Miniature Microphones. The rugged plastic chassis are fitted with a belt clip and a range of output connectors for various uses. The audio signal is routed directly to the output connectors in full bandwidth and full dynamic range. They draw on one 9 V battery and have ultra-low power consumption.

Order numbers:

- MPS6001 1-channel, 3-pin XLR
- MPS6010 2-channel, 3-pin XLR
- MPS6020 2-channel, Phono
- MPS6030 2-channel, Mini-jack
- MPS6040 2-channel, 1/4 in Jack





Microphone Summation System

MSS6000

Assembling the ensemble

The MSS6000 is a professional microphone summation system designed to reduce cable clutter on stage and simplify channel control off stage, when using several DPA miniature microphones in conjunction with group performances.

The system consists of five stereo satellite boxes (SSB6000), offering individual level and pan adjustments for every performer, and a master sum box (MSB6000) containing two high-performance, transformer-coupled mic preamplifiers. Thus, a single system in array provides control of up to 10 performers and will reduce an entire section of 10 down to 2 channels on your stage box and mixing console. Individual boxes are available to expand the system in a modular chain.

The MSS6000 is the ultimate ensemble amplification system for orchestras, bands and choirs freeing up many useful and costly channels, without compromising the desired sound quality.

Portable Durability

All of the components used in the MSS6000 system have been carefully selected to provide superior sound quality as well as electrical and mechanical durability in a compact, portable system. The accurate electronics design and shielding ensure a high degree of electro-magnetic protection. No separate power supply unit is required, as two channels of 48 V phantom

power drive the entire system from your mixing console.

Summation System

A complete set of ten 4061-BM Miniature Microphones with mounting accessories is supplied with the system. The close microphone mounting technique delivers great sound quality and high sound levels before feedback. A low- and hi-cut feature is integrated in the satellite boxes to deliver the EQ setting preferred by live engineers. With the DPA high boost grids provided, studio recordings are possible with a linear frequency response from 100 Hz to 15 kHz (± 2 dB).

The system is designed for use with all DPA miniature microphones.

Smart and easy handling

With its neat road case, and all the cables included, you can easily take your Microphone Summation System with you wherever you go. Mounting the microphones and setting up the system is accomplished within minutes. Practical satellite box holders for attachment to music stands are available as optional accessories.

MSS6000 includes:

- MSB6000 Master Sum Box, 1 pcs.
- SSB6000 Stereo Satellite Box, 5 pcs.
- 4061-BM Miniature Microphone, 10 pcs.
- DAO0003 MSS6000 Cable 3 m (9.8 ft), 5 pcs.
- MHS6001 Mic. Holder for Strings, 10 pcs.
- DMM0007 Universal Surface Mount, 10 pcs.
- KE6000 Samsonite® Case

Adapters

Using original DPA adapters, our miniature microphones are currently compatible with the professional wireless systems listed below. The model number is typically found on the transmitter.

Brand /Transmitter	Adapter	Brand /Transmitter	Adapter
AKG PT 300	DAD6007	Mipro ACT-707TE	DAD6032
AKG PT 40	DAD3052	Mipro ACT-707TM	DAD6032
AKG PT 400	DAD6017*	Mipro ACT-707TS	DAD6032
AKG PT 4000	DAD6017*	Mipro ACT-MT103	DAD6032
AKG PT 60	DAD6017*	Mipro ACT-MT303	DAD6032
AKG PT 80	DAD6017*	Mipro ACT-MT801	DAD6032
AKG PT 81	DAD6017*	Mipro ACT-MT808	DAD6032
Audio Ltd. Tx 2000	DAD6004*	Mipro MR/812	DAD6023
Audio Ltd. Tx 2020	DAD6004*	Mipro MR/822	DAD6023
Audio-Technica AEW-T1000 D	DAD6033	Ramsa WX-RP410	DAD3051
Audio-Technica ATW-T101 (U100)	DAD6021	Sabine SW16T	DAD6023
Audio-Technica ATW-T310	DAD6033	Sabine SW30T	DAD6023
Audio-Technica, ATW-T51 (1400 Series)	DAD6022	Sabine SW70-T	DAD3053
Audio-Technica ATW-T75	DAD6028	Samson CT-2	DAD6009
Beyerdynamic OPUS 100-200	DAD6027	Samson TX-3	DAD6009
Beyerdynamic TS190	DAD6006	Samson UT1L	DAD6017
Beyerdynamic OPUS 300	DAD6032	Samson UT4	DAD6009
Beyerdynamic TS42	DAD6006	Samson UT5	DAD6009
Beyerdynamic OPUS 500	DAD6032	Samson UT6	DAD6009
Beyerdynamic TS 500	DAD6026	Samson VT2L	DAD6017
Beyerdynamic TS 600	DAD6026	Sennheiser BF1053-U	DAD6002
Beyerdynamic OPUS 800	DAD6032	Sennheiser BF1083-U	DAD6002
Beyerdynamic TS85	DAD6006	Sennheiser Evolution	DAD6034*
Beyerdynamic TS900	DAD6006	Sennheiser Evolution G2	DAD6034*
Electro-Voice CSB-1000 (RE1/RE2)	DAD6030	Sennheiser SK 250	DAD6003*
Lectrosonics M185	DAD6012	Sennheiser SK 3063	DAD6003*
Lectrosonics UHF (for low level)	DAD6021	Sennheiser SK 5012	DAD6003*
Micron Explore Series	DAD6025	Sennheiser SK 50	DAD6003*
Micron TX501.x	DAD6013		
Micron TX502.x	DAD6013		
Micron TX700	DAD6025		
Mipro ACT-707T	DAD6032	* also available with fixed connector	

Brand /Transmitter	Adapter
Shure SC1	DAD6010*
Shure SLX1	DAD6010*
Shure U1	DAD6010*
Shure U1L	DAD6011
Shure ULX1	DAD6010
Shure UR1	DAD6010
Shure UT1	DAD6010
Sony Freedom WRT 805	DAD6019*
Sony WRT8	DAD6008*
Sony WRT820	DAD6008*
Sony WRT860	DAD6008*
TELEX	DAD6030
Telex ProStar UHFUB12	DAD6020
TOA WM360	DAD3050
TOA WM4300	DAD6010*
TOA WM4310	DAD3050
Trantec S5000 Series	DAD6026
Vega T-37	DAD6015
Vega T-66	DAD6011
Vega T-677	DAD6011
Vega U2020	DAD6015
Wisicom/Pastega TMA16	DAD6018
Wisicom/Pastega TMU20	DAD6018
XLR	DAD6001
XLR, Belt clip	DAD6001-BC
XLR, Midrange attenuation	DAD6024

* also available with fixed connector

Adapters



DAD3050

TOA WM360/4310 (for low DC Microphones)
MicroDot to Mini-jack



DAD6001

MicroDot to 3-pin XLR (P48)



DAD3051

Ramsa WX-RP410 (for low DC Microphones)
MicroDot to 4-pin Hirose



DAD6001-BC

MicroDot to 3-pin XLR (P48) w. Belt Clip



DAD3052

AKG PT 40 (for low DC Microphones)
MicroDot to TA-3F Switchcraft



DAD6002

Sennheiser BF1083-U/BF1053-U
MicroDot to Coax Lemo



DAD3053

Sabine SW70-T (for low DC Microphones)
MicroDot to TA-3F Switchcraft



DAD6003

Sennheiser SK 50/SK 250/SK 3063/SK 5012
MicroDot to 3-pin Lemo (Sennheiser)



DAD3054

Lectrosonic SM (for low DC microphones)



DAD6004

Audio Ltd. Tx 2000/Tx 2020
MicroDot to 6-pin Lemo



DAD6009

Samson CT-2/TX-3/UT4/UT5/UT6
MicroDot to 6-pin Hirose



DAD6006

Beyerdynamic TS42/TS85/TS190/TS900
MicroDot to 4-pin Binder



DAD6010

Shure U1/UR1/UT1/SC1/SLX1/ULX1, TOA
WM4300
MicroDot to TA4F Switchcraft



DAD6007

AKG PT 300
MicroDot to Mini-jack



DAD6011

Vega T-66/T-677, Shure U1L
MicroDot to 4-pin Lemo Series S



DAD6008

Sony WRT820/WRT860/WRT8
MicroDot to 4-pin Hirose



DAD6012

Lectrosonics M185
MicroDot to TA-5F Switchcraft

Adapters



DAD6013

Micron TX501.x/TX502.x
MicroDot to 8-pin Lemo



DAD6019

Sony Freedom WRT805,
MicroDot to Mini-Jack (with thread)



DAD6015

Vega T-37/U2020
MicroDot to TA4F Switchcraft



DAD6020

Telex ProStar UHFUB12
MicroDot to TA 4F Switchcraft



DAD6017

AKG PT 60/80/81/400/4000,
Samson UT1L/VT2L
MicroDot to TA-3F Switchcraft



DAD6021

AT ATW-T101 (U100), Lectrosonics UHF systems for low level
MicroDot to TA 5F Switchcraft



DAD6018

Wisycorn/Pastega TMA16/TMU20
(3 wire preset)
MicroDot to 3-pin Fischer



DAD6022

Audio-Technica ATW-51
MicroDot to 4-pin Hirose

**DAD6023**

Mipro MR812/822, Sabine SW16T/SW30T
MicroDot to MIPRO MU-41

**DAD6028**

Audio-Technica ATW-T 75
MicroDot to 4-pin Hirose

**DAD6024**

MicroDot to 3-pin XLR (P48)
w/ Midrange Attenuation
MicroDot to XLR

**DAD6030**

Electro-Voice CSB-1000 (RE1/RE2), TELEX
MicroDot to TA 4F Switchcraft

**DAD6025**

Micron TX700
MicroDot to 6-pin Lemo Series B

**DAD6032**

Beyerdynamic OPUS 300/500/800, Mipro
ACT-707T/TE/TM/TS/MT103/303/801/808
MicroDot to TA 4F Switchcraft

**DAD6026**

Beyerdynamic TS 500/600, Trantec
MicroDot to 4-pin Lemo

**DAD6033**

Audio-Technica AEW-T1000 D
MicroDot to 4-pin Hirose

**DAD6027**

Beyerdynamic OPUS 100-200
MicroDot to Mini-jack

**DAD6034**

Sennheiser Evolution/G2
MicroDot to Mini-jack (with thread)

Accessories

Holders



DMM0001 Clip



DMM0007 Universal Surface Mount, 5 pcs.



DMM0002-B Double Pin, Black
DMM0002-W Double Pin, White



DMM0008-B Clip, Double Lock, Black
DMM0008-W Clip, Double Lock, White



DMM0003-B Magnet, Black
DMM0003-W Magnet, White



MHS6001 Holder for Strings, 1 pcs.
MHS6005 Holder for Strings, 5 pcs.



DMM0004-B Clip, Small, Black
DMM0004-W Clip, Small, White



DMM0009 Concealer



DMM0005 Holder, Single Pin, 3 pcs.



DMM0011-B Magnet Mount, Black
DMM0011-W Magnet Mount, White

DAK4060 Accessory Kit for Miniature Microphones



The DAK4060 is a complete accessory kit with room for a miniature microphone and one or more connection adapters. The box is rugged and will give both microphone and accessories perfect protection against the rough life in an active sound engineer's tool box.

DAK4060 includes:

- DMM0002-B Double Pin, Black
- DMM0003-B Magnet, Black
- DMM0008-B Clip, Double Lock, Black
- DMM0005 Holder, Single Pin, 3 pcs.
- DUA0570 Windscreens, Colour Mix, 8 pcs.

Grids and Windscreens:

- DUA6001 Grids, 5 pcs, Soft Boost, Black
- DUA6002 Grids, 5 pcs, High Boost, Black
- DUA6003 Grids, 5 pcs, Soft Boost, Beige
- DUA6004 Grids, 5 pcs, High Boost, Beige
- DUA6005 Grids, 5 pcs, Soft Boost, White
- DUA6006 Grids, 5 pcs, High Boost, White
- DUA0560 Windscreens, 5 pcs, Black
- DUA0561 Windscreens, 5 pcs, Red
- DUA0562 Windscreens, 5 pcs, Blue
- DUA0563 Windscreens, 5 pcs, Yellow
- DUA0564 Windscreens, 5 pcs, Green
- DUA0566 Windscreens, 5 pcs, White
- DUA0567 Windscreens, 5 pcs, Beige
- DUA0568 Windscreens, 5 pcs, Brown
- DUA0570 Windscreens, 8 pcs, Colour Mix
- DUA0571 Windjammer for 4071
- DUA0572 Mesh for 4071

Miniature Amplifier & Power Supplies:

- MMA6000 Microphone Summation System
- MPS6001 1-channel, 3-pin XLR
- MPS6010 2-channel, 3-pin XLR
- MPS6020 2-channel, Phono
- MPS6030 2-channel, Mini-jack
- MPS6040 2-channel, 1/4 in Jack

Special accessories for 4071:

DAK4071-E	Accessory kit for Miniature Microphones - ENG/EFP
DAK4071-F	Accessory kit for Miniature Microphones - Film
ADH0001	Double-sided Tape for Tie Pod, 25 pcs.
ADH0002	Double-sided Tape for Miniature Concealer, 25 pcs.
ADH0003	Mic Tape, 25 pcs.
ADH0004	Double-sided Mic Tape, 10 pcs.
ADH0005	Double-sided Mic Tape, 50 pcs.
DMM0009	Concealer
DMM0509	Concealer, 5 pcs.
DMM0010	Tie Pod, 3 pcs.
DMM0011-B	Magnet Mount, Black
DMM0011-W	Magnet Mount, White
DUA0571	Windjammer for 4071
DUA0572	Mesh for 4071

Accessories for MMA6000:

DAO0135	Stereo Mini-jack, 1 m (39 in)
DAO0136	Stereo Mini-jack - 2 x 1/4" Jack, 5 m (16.4 ft)
DAO0137	Stereo Mini-jack - 1/4" Jack, 5 m (16.4 ft)
DAO0138	Stereo Mini-jack - 2 x male XLRs, 5 m (16.4 ft)
DAO0139	Stereo Mini-Jack - Phono L+R, 1 m (39 in)

Accessories for MSS6000:

MSB6000	Master Sum Box
SSB6000	Stereo Satellite Box
DAO0003	MSS6000 Cable, 3 m (10 ft)
MHS6001	Holder for Strings, 1 pcs.
DMM0007	Universal Surface Mount, 5 pcs.
KE6000	Samsonite® Case
SBH6000	Satellite Box Holder

Replacement parts for

4066, 4067 and 4088:

AHM6000	Mount for MMB4066/67/88, Beige
AHM6001	Mount for MMB4066/67/88, Black
MMB4066-B	Boom, Black
MMB4066-C	Boom, Brown
MMB4066-F	Boom, Beige
MMB4067-B	Boom, Lo-Sens & DC, Black
MMB4067-F	Boom, Lo-Sens & DC, Beige
MMB4088-B	Boom, Black
MMB4088-C	Boom, Brown
MMB4088-F	Boom, Beige

Extension Cables:

DAO6005	Cable, 3.5 m (11.5 ft)
DAO6010	Cable, 10 m (32.8 ft)
DAO6020	Cable, 20 m (65.6 ft)

Accessories for BLM4060:

Extension Cables

DAO6015	Cable for BLM4060, 3 m (10 ft)
DAO6016	Cable for BLM4060, 10 m (32.8 ft)
DAO6017	Cable for BLM4060, 20 m (65.6 ft)

Specifications

4060 4061 4062 4063

4065 4066 4067

Directional characteristics:

Omnidirectional

Cartridge type:

Pre-polarized condenser element with vertical diaphragm

Principle of operation:

Pressure

Power supply:

Min 5 V - max 50 V through DPA adapter

4063/67: Min 3 V - max 50 V through DPA adapter

Frequency range, ± 2 dB:

Soft boost grid: 20 Hz-20 kHz, 3 dB

soft boost at 8-20 kHz

High boost grid: 20 Hz-20 kHz, 10 dB

boost at 12 kHz

4067: 50 Hz-20 kHz, 3 dB

soft boost at 8-20 kHz, lo-cut - 10 dB at 20 Hz

Sensitivity, nominal (± 3 dB at 1 kHz):

4060: 20 mV/Pa; -34 dB re. 1V/Pa

4061/4063/4065/4066: 6 mV/Pa; -44.5 dB re.

1V/Pa

4062/4067: 1 mV/Pa; -60 dB re. 1V/Pa

Equivalent noise level, A-weighted:

4060: Typ. 23 dB(A) re. 20 μ Pa (max.

26 dB(A))

4061/4063/4065/4066: Typ. 26 dB(A) re. 20

μ Pa (max. 28 dB(A))

4062: Typ. 33 dB(A) re. 20 μ Pa (max.

37 dB(A))

4067: Typ. 31 dB(A) re. 20 μ Pa

(max. 35 dB(A))

Equivalent noise level ITU-R BS.468-4:

4060: Typ. 35 dB (max. 38 dB)

4061/63/65/66: Typ. 38 dB (max. 40 dB)

4062: Typ. 45 dB (max. 49 dB)

4067: Typ. 42 dB (max. 44 dB)

Max. SPL peak before clipping:

4060: 134 dB

4061/4065/4066: 144 dB

4062: 154 dB

4063: 138 dB

4067: 154 dB

Total harmonic distortion (THD):

<1% THD up to 123 dB SPL peak;

<1% THD up to 120 dB SPL RMS sine

Polarity:

Positively increasing sound pressure produces positive going voltage on MicroDot pin.

S/N ratio, re. 1 kHz at 1 Pa (94 dB SPL):

4060: 71 dB(A)
4061/65: 68 dB(A)
4062: 61 dB(A)
4063/66/67: 68 dB(A)

Dynamic Range:

4060/62: Typ. 90 dB
4061/63/65/66: Typ. 97 dB
4067: Typ. 92 dB

Operating temperature range:

-10 to 45° C (+14 to 113° F)

Output impedance:

30 - 40 Ohm

Connector:

MicroDot

Cable drive capability:

Up to 300 m (984 ft)

Microphone length:

Max 12.7 mm (0.5 in)

Microphone diameter:

5.4 mm (0.21 in)

Cable length:

1.8 m (5.9 ft)

Cable diameter:

1.6 mm (0.06 in)

Weight:

4060/4061/4062/4063: 7.5 g (0.26 oz) incl.

cable and MicroDot connector

4065/4066/4067: 14 g (0.50 oz) incl. cable
and MicroDot connector

Finish:

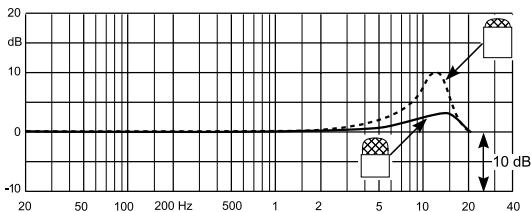
4060/4061/4063: Black, beige, brown or white

4062/4066/4067: Black, brown or beige

4065: Black or beige

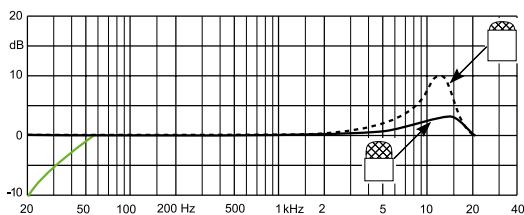
On-Axis Frequency Response of Miniature Microphones.

Dotted line is with high boost grid and solid line with soft boost grid.

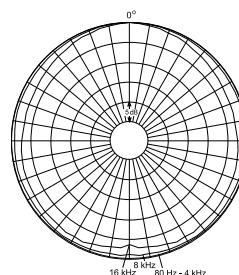


On-Axis Frequency Response of Miniature Microphones.

Dotted line is with high boost grid. Solid line is with soft boost grid. Green line is 4067 below 50 Hz. (4065 only utilizes the soft boost frequency response)



Polar Pattern



Directional Charateristics of DPA 4060 (normalized).

Specifications

4071

Directional characteristics:

Omnidirectional

Cartridge type:

Pre-polarized condenser element with vertical diaphragm

Principle of operation:

Pressure

Power supply:

Min 5 V - max 50 V through DPA adapter

Frequency range, ± 2 dB:

100 Hz-15 kHz with typ. 5 dB

soft boost at 4-6 kHz.

Sensitivity, nominal ± 3 dB:

6 mV/Pa; -44.4 dB re. 1 V/Pa

Equivalent noise level A-weighted:

Typ. 26 dB(A) re. 20 μ Pa (max. 28 dB(A))

Equivalent noise level ITU-R BS.468-4:

Typ. 38 dB (max. 40 dB)

Max SPL peak before clipping:

144 dB

Total harmonic distortion (THD):

<1% up to 123 dB SPL peak;

<1% up to 120 dB SPL RMS sine

Polarity:

Positively increasing sound pressure produces positive going voltage on MicroDot pin.

S/N ratio, re. 1 kHz at 1 Pa (94 dB SPL):

68 dB(A)

Dynamic Range:

Typ. 97 dB

Operating temperature range:

-10 to 45° C (+14 to 113° F)

Output impedance:

30 - 40 Ohm

Connector:

MicroDot

Cable drive capability:

Up to 300 m (984 ft)

Microphone length:

17 mm (0.67 in)

Microphone diameter:

5.4 mm (0.21 in)

Cable length:

1.8 m (5.9 ft)

Cable diameter:

1.6 mm (0.06 in)

Weight:

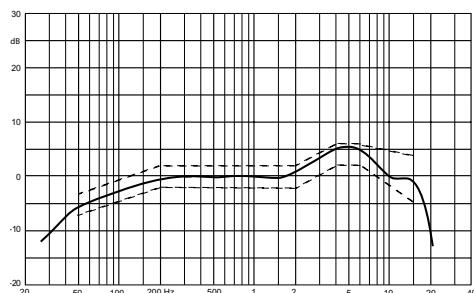
9 g (0.38 oz) incl. cable and MicroDot connector

Finish:

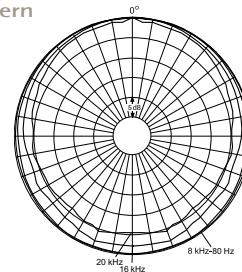
Black, beige or white

Frequency Response

Typ. on-axis frequency response of DPA 4071 with tolerance field



Polar Pattern



Directional Characteristics of DPA 4071
(normalized).

Specifications

4088

Directional characteristics:

Cardioid

Cartridge type:

Pre-polarized condenser element with vertical diaphragm

Principle of operation:

Pressure gradient

Power supply:

Min 5 V - max 50 V through DPA adapter

Frequency range ± 2 dB:

20 Hz-20 kHz (± 2 dB between 500 Hz and 20 kHz; 4-6 dB soft boost at 15 kHz)

Sensitivity, nominal (± 3 dB at 1 kHz):

6 mV/Pa

Equivalent noise level A-weighted:

Typ. 26 dB(A) re. 20 μ Pa

(max. 28 dB(A))

Equivalent noise level ITU-R BS. 468-4:

Typ. 38 dB (max. 40 dB)

Max SPL peak before clipping:

144 dB

Total Harmonic Distortion (THD):

<1 % up to 123 dB SPL peak

<1 % up to 120 dB SPL RMS sine

Polarity:

Positively increasing sound pressure produces positive going voltage on MicroDot pin.

S/N ratio, re. 1 kHz at 1 Pa (94 dB SPL):

68 dB(A)

Dynamic Range:

Typ. 97 dB

Operating temperature range:

-10 to 45° C (+14 to 113° F)

Output impedance:

30 - 40 Ohm

Connector:

MicroDot

Cable drive capability:

Up to 300 m (984 ft)

Microphone length:

11 mm (0.5 in)

Microphone diameter:

5.5 mm (0.25 in)

Weight:

14 g (0.5 oz) incl. cable and MicroDot connector

Finish:

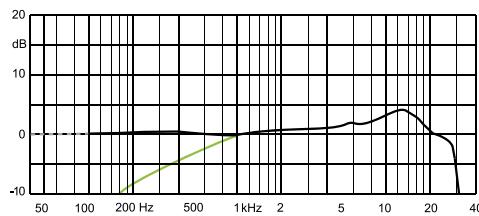
Black, brown or beige

On-Axis Frequency Response of 4088

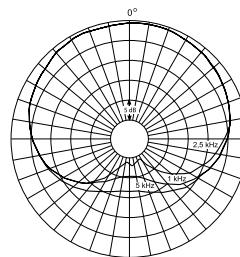
Solid line is near field (2-3 cm)

Green line is far field (more than 30 cm)

Dotted line is typical low frequency in near field (estimated).



Polar Pattern of 4088



Directional Characteristics of 4088

(normalized).

Specifications MMA6000

No. of channels:

2

Controls:

Power On/off

Low cut:

Switchable: Flat or 100 Hz, 12 dB/octave, common for both channels.

Gain, stepwise adjustable 0 dB-37.5 dB in steps of approx: 2.5 dB

Input / output:

Input connectors:

2 MicroDots

Input impedance:

>3 kOhm

Output connector:

3.5 mm Mini-jack, stereo, Tip: Left Ch.

Ring: Right Ch.

Output impedance:

<50 Ohm

Max. output level:

±1.5 V peak before clipping

Equivalent input noise:

At 0 dB gain <3 µV (RMS A-weight)

At 37 dB gain <1.5 µV (RMS A-weight)

Frequency range (Flat):

20 Hz - 20 kHz (±1 dB),

Crosstalk:

<-60 dB at 1 kHz

Distortion (THD):

<0.03%

Microphone power:

Fits all types of DPA miniature microphones and headbands only.

Other:

Battery:

9 V type IEC 6 LR 61 /JIS 6AM6, Alkaline or rechargeable types (reduced performance)

Battery life time:

>24 hours (professional quality Alkaline batteries within temp. range)

External power :

12 - 30 volt DC, maximum 50 mA

Connector for external power:

2.1 mm DC-connector, Tip: Positive,

Sleeve: Negative

Battery indication:

Green LED (flashing): Battery OK, Red LED (flashing): Battery low , Orange LED: External Power

Temperature range:

-10°C to +50°C

Box:

Aluminium, black powder finish

Dimensions (l x w x h):

123 x 85 x 35 mm

4.8 x 3.3 x 1.4 in

Weight (w/o battery):

235 gr (8.30 oz)

Specifications

BLM4060

Directional characteristics:

Omnidirectional, half space

Cartridge type:

Pre-polarized condenser element

Principle of operation:

Pressure

Power supply:

Min. 5 V - max 50 V via DPA adapter

Frequency range ± 2 dB:

20 Hz-14 kHz

(with a 7 dB soft boost at 8 KHz)

Sensitivity, nominal (± 3 dB at 1 kHz):

40 mV/Pa at 1 kHz; -34 dB re. 1 V/Pa

Equivalent noise level A-weighted:

Typ. 17 dB(A) re. 20 µPa (max. 26 dB(A))

Equivalent noise level ITU-R BS.468-4:

Typ. 29 dB (max. 38 dB)

Max SPL peak before clipping:

128 dB

Total Harmonic Distortion (THD):

<1% up to 123 dB SPL peak;

<1% up to 120 dB SPL RMS sine

Polarity:

Positively increasing sound pressure produces positive going voltage on MicroDot pin/pin2 on XLR connector.

S/N ratio, re. 1 kHz at Pa (94 dB SPL):

71 dB (A)

Dynamic Range:

Typ. 100 dB

Operating temperature range:

-10 to 45° C (+14 to 113° F)

Output impedance:

30 - 40 Ohm

Connector:

MicroDot/XLR 3-pin

Cable drive capability:

Up to 300 m (984 ft)

Cable length:

3 m (10 ft)

Diameter:

100 mm (4 in)

Height:

12 mm (0.5 in)

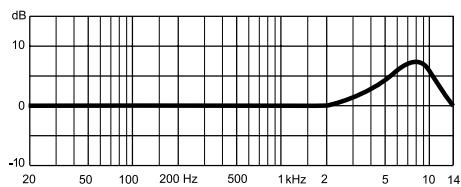
Weight:

240 g (8.5 oz) excl. cable

Finish:

Black rubber disc mounted in stainless steel base

Frequency response of BLM4060



Specifications

MSS6000

SSB6000 Stereo Satellite Box

Inputs:

Microphone input, 2 channels with MicroDot Connector. 1 pcs. 4-pin female XLR, to link from another SSB6000.

Output:

1 pcs. 4-pin male XLR, to connect the

MSB6000 Master Sum Box or another

SSB6000.

Frequency Range:

100 Hz -10 kHz (-3 dB) with Soft Boost Grid

100 Hz -15 kHz (-3 dB) with High Boost Grid

Hi-cut: -6 dB/oct. from 10 kHz

Lo-cut: -6 dB/oct. from 100 Hz

Max SPL input handling:

System unloaded: 134 dB

System loaded: 128 dB (10 pcs. DPA 4061)

Attenuation:

4.5 dB to ∞ dB, each channel

Microphone input impedance:

1.8 k Ohm

Dimensions:

95 x 104 x 34 mm (3.75 x 4.10 x 1.4 in)

Weight:

245 g (7.9 oz)

MSB6000 Master Sum Box

Input:

Single 4-pin female XLR, to connect from the SSB6000

Outputs:

Dual 3-pin male XLR, 2 channel microphone outputs

Power supply:

48 V phantom, applied simultaneously to the 2 microphone outputs.

Output impedance:

Lundahl® output transformer, < 600 Ohms

Total harmonic distortion (THD):

0.05% (100 Hz - 10 kHz)

Crosstalk:

-70 dB at 1 kHz

Cable drive capability:

200 m (656 ft)

Dimensions:

120 x 104 x 34 mm (4.7 x 4.10 x 1.4 in)

Weight:

400 g (14. oz)

Environmental Policy

DPA Microphones A/S is proud to be known as a "green" company. It is company policy to produce all products in accordance with the best ecological practices to preserve the environment we are all a part of. Consequently, it is DPA's aim to cooperate with both national and international legislative bodies to fulfil the requirements and recommendations set out in environmental standards and directives.

Throughout DPA's conduct and in its design of new products, the company pursues solutions that have minimal impact on the ecology and are in line with the latest legislative requirements (at present directive 9002/95/EC) at the time a new product is introduced to the market. These requirements are not only valid for DPA but also its suppliers.

With respect to waste disposal, DPA fully complies with the WEEE directive (9002/96/EC) and will adhere to any amendments and subsequent requirements. From 1 January 2006, all DPA products that require a return for upgrading and/or reuse will be provided with a "waste" label. This means that at the end of its usable life, the product may be returned to the local DPA representative who will return it to DPA for disposal under the national legislation program. Furthermore, DPA guarantees that any DPA product purchased after 1 January 2000 will be covered by the same program to ensure end users have adequate means to dispose of obsolete DPA products.



Service & Repair

All products from DPA Microphones are covered by a two-year limited warranty on both mechanical functionality and documented specifications as long as the items are not mistreated, abused or modified in any way. Invoices are required as warranty registration documents in case of a claim.

Please contact DPA Microphones for your nearest representative on:

Headquarters:

Tel: + 45 4814 2828

Fax: + 45 4814 2700

United States:

Tel: +1 303 485 1025

Fax: +1 303-485-6470

You can also get in touch with DPA

Microphones at:

info@dpamicrophones.com

or visit our website at:

www.dpamicrophones.com

Warranty

All products from DPA Microphones are covered by a two-year limited warranty on both mechanical functionality and documented specifications as long as the items are not mistreated, abused or modified in any way. In case of a warranty claim your invoice is your warranty registration.



Other microphone groups

DPA Large Diaphragm Microphones are top-of-the-range one-inch capsule omni microphones. When choosing the right microphone for a particular application, it is important to consider the diaphragm size. DPA's large diaphragm microphones are the ideal choice where low self-noise and high sensitivity are important, such as in the miking of vocals, strings or other acoustic instruments with a high dynamic range, in addition to offering many other benefits.



DPA Standard Microphones are high quality studio microphones comprised of omnis, cardioids and wide cardioids. Featuring stylish slim housing and distinctive grid, these mics are designed for sonic integrity in any venue. DPA's audio philosophy is based on the notion of zero sound colouration, and the complete and honest accuracy of these microphones is unequalled.



DPA Compact Microphones are the smaller cousins of the standard microphones and are also available as omni, cardioid and wide cardioid models. They are especially valuable for low profile use together with DPA's elegantly designed stands, mounts and holders for the close miking of instruments, as table and podium mics, and as reinforcement mics in live performance venues. The compact microphones combine the trademark DPA sound with aesthetic and functional design solutions.





DPA 4090-Series are instrument microphones for studio recording and live performance. Discrete and versatile, these microphones are characterized by a natural and open sound. They are made specifically to suit the needs of musicians as well as the rigors of the stage. The flat frequency response of the 4090 and 4091 furthermore enable FOH engineers to use these microphones for sound system alignment.



DPA Hydrophone offers professional recording under extreme conditions. The DPA 8011 Hydrophone is the only high-quality, 48 V Phantom-powered, underwater omnidirectional microphone in the world which has been specially designed to handle high SPLs and high static ambient pressure in water and other fluids. It is the optimum choice for professional sound recordings under water, in extreme humidity, in gas-filled rooms, or under other extreme conditions.



DPA WINDPAC is a revolutionary new lightweight microphone windshield system ideally suited for every type of application in film, radio, television and reporting, both indoors and outdoors. The system is comprised of a multi-mic compatible shock mount and a collapsible sound transparent windshield.

**Headquarters:**

DPA Microphones A/S
Gydevang 42-44
DK-3450 Alleroed, Denmark
Tel: +45 4814 2828
Fax: +45 4814 2700
info@dpamicrophones.com
www.dpamicrophones.com

United States:

DPA Microphones, Inc.
2432 N. Main St., Suite 200
Longmont, CO 80501, USA
Ph: +1 303-485-1025
Fax: +1 303-485-6470
info-usa@dpamicrophones.com
www.dpamicrophones.com